

Job Title:	Low Carbon / HVAC Systems Expert
Hours of work:	35 hours per week
Contract:	Fixed term to March 2023
Salary:	Competitive
Location:	Berkeley - Gloucestershire

About the project:	<p>The Active Building Centre is a centre of excellence working to accelerate the UK's drive towards net-zero carbon by transforming the way buildings are powered and heated.</p> <p>Founded in 2018 as part of the UK Government's Transforming Construction Challenge, the Active Building Centre is a government backed Research and Technology Organisation (RTO) who are collaborating with industrial and academic partners to mobilise and deliver applied research, product development, commercial engagement and the realisation of a comprehensive demonstrator portfolio.</p> <p>The Active Building Centre sets the standard for the clean, efficient and climate-friendly communities of tomorrow by designing prototype buildings that act as proof of concept and a template for the construction industry, as well as by advising housebuilders and homeowners on new-builds and retrofitting.</p> <p>Our research promotes sustainable construction, shapes future living, improves building performance, alleviates fuel poverty and helps decarbonise the UK's energy supply.</p> <p>Our mission is to identify and integrate the best materials, design and equipment for building homes, workplaces and communities that actively combat climate change, rather than fuelling it.</p> <p>We are developing an ambitious portfolio of advanced multi-sector demonstrators which are sustainable, perform better, are more comfortable and will significantly contribute to decarbonisation.</p> <p>As part of a highly skilled team looking to transform the energy and construction industry and drive policy change, you will be open to new ideas, bring fresh thinking, and be ready to play your part in delivering the case for Active Buildings.</p>
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<p>About the role:</p>	<p>The Active Building Centre Ltd. is seeking a HVAC Systems Expert with a deep interest in renewable technologies to lead our selection, configuration and optimisation of integrated heating & cooling systems in order to improve building energy performance.</p> <p>The role will be a subject matter expert leading our internal technical performance evaluation activities and supporting our outward facing advisory team who are currently working with major governmental and corporate clients.</p> <p>We are seeking a self-starting professional engineer who is ready to deploy their considerable experience to help move the current industry understanding of what's possible and support UK's drive to meet its Net Zero Carbon 2050 ambitions.</p>
<p>Key Responsibilities:</p>	<p>You will be responsible for:</p> <p>The provision of technical and commercial expertise and analysis in the application of low carbon heating technologies to ABC.</p> <p>Compiling and consolidating the ABC knowledge base on integrated renewable heating technology solutions.</p> <p>Helping design, administer and interpret equipment integration and evaluation testing across our portfolio of physical assets, including MMC buildings and a multi-modal heat network.</p> <p>Calculating and communicating system specifications; including appropriate sizing and installation requirements of individual elements and combined systems.</p> <p>Evaluating performance data to understand implications and make design improvements.</p> <p>Relevant technical input to bid documents for both funding applications and commercial proposals.</p>
<p>General Duties:</p>	<ol style="list-style-type: none"> 1. Promote equality and diversity in working practices and maintain positive, inclusive working relationships. 2. Lead on the continual improvement of health and safety performance through a good understanding of the risk profile and the development of a positive health and safety culture.

	<p>3. Ensure that risk management is an integral part of any decision-making process.</p> <p>4. Any other duties as directed by the CEO of Active Building Centre Ltd (or their nominated representative).</p>
<p>Person specification:</p>	<p><u>Essential criteria:</u></p> <p>Qualifications & Experience: We are seeking a graduate Physicist or Mechanical Engineer with significant thermodynamics experience.</p> <p>The candidate will be especially conversant in current and developing technologies around space and water heating for the built environment, as well thermal storage mechanisms.</p> <p>Knowledge and Skills: You may have an academic or an industrial bias, but you will be able to deploy your significant sector knowledge to quickly and accurately to provide solutions, and engage your skill set to drive innovation and ensure ABC Ltd is at the forefront of domain expertise.</p> <p>A problem solver who can bring their technical and commercial experience to an identified challenge and find new solutions.</p> <p>With a proven track record in engineering, the successful candidate will employ good teamwork and communication skills to ensure effective knowledge dissemination throughout ABC teams and across other channels out with ABC.</p> <p><u>Desirable criteria:</u></p> <p>Experience in designing and deploying monitoring solutions to evaluate built systems performance would be an advantage.</p>
<p>Equality & Diversity:</p>	<p>ABC is fully committed to providing equal opportunities for all job applicants by supporting and promoting equality and diversity in all of its practises and activities.</p> <p>We aim to establish an inclusive environment and welcome applications from the following protected characteristics: age, disability, gender reassignment, marriage and civil partnership,</p>

	pregnancy and maternity, race (including colour, nationality, ethnic and national origin), religion or belief, sex and sexual orientation.
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